Order-No.: DD+DIS001.00E

1 Piece QJCF1 MA1

01 / 2000

ADC Compact
Type 5145
ADC Solo
Type 5155

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VIPS1005 and VIPS1009 – Filtering on identification date does not display images in the thumbnail browser.

1 Symptom description 2
2 Reason for the “Identification Date” Filtering Effect 2
3 Workaround for VIPS1005 3
3.1 Procedure 3
4 Workaround for VIPS1009 4
4.1 Procedure 4

1 Symptom description

If the user tries to filter on images which were identified on the ID-Station in the year 2000 the thumbnail images will not be displayed. This effect shows up only if the date format is set in a way that the year is only displayed in two digits (e.g. the year 2000 is displayed as “00”). How the date format is set you can easily see in the demografics below the thumbnail images or in the “Identfication Date” pull down selection list.
To get the images visible again just select wildcard “*” in the “Identfication Date” pull down selection list.
Other filter options like filtering for “Patient Name” or “Examination Type” are not affected and will run well.
The symptom described above does not show up for DIPS1003 and PS5A.0.7.06. Software version PS5A.0.7.03 is no more supported as it is declared as not y2k-safe (see FSB DD+DIS247.99E and CSO Newsletter 021/99).

Important Note:
The above described effect does neither corrupt data nor produce wrong date and time information. It just affects the filtering in the User Interface. Internally the data is handled with the correct date and time. Any export to other devices (e.g. IMPAX) will be done with the correct date and time.

2 Reason for the “Identification Date” Filtering Effect

The reason for this effect is that since VIPS1005 our application uses the date format (called “Locale” further on this text) Solaris 2.6 supplies. For some countries four digits for the year are reserved in the Locale for others just two digits are reserved (please see table 1 for more information). If only two digits are reserved in the Solaris 2.6 Locale setting you will have the above described symptom.
On all Solaris 2.5 based Processing Stations (i.e. DIPS.1.0.03 and PS5A.0.7.06) the date is always displayed in four digits in the “Identfication Date” pull down selection list. Therefore the problem does not show up with this versions.
How ever an easy workaround for both VIPS1005 and VIPS1009 exists. The future releases will of course not have that problem anymore.

MIMOSA Supported Languages	Default Date Format* (VIPS1005)	Default Date Format* (VIPS1009)	Comment
BASIC	For all date formats the year displayed in two digits	02/01/00	Default locale in the cpf-file. The UI-language will be english.
Da_DK		02/01/00	Danish for Denmark
De_DE		02/01/00	German for Germany
De_AT		2000-01-02	German for Austria
De_BE		02/01/00	German for Belgium
De_CH		02.01.2000	German for Switzerland
De_IT		02/01/00	German for Italy
De_LU		02/01/00	German for Luxemburg
En_GB		02/01/00	English for United Kingdom
En_AU		02//01//00	English for Australia
En_CA		02//01//00	English for Canada
En_US		02/01/00	English for USA
Es_ES		02/01/00	Spanish for Spain
Fi_FI		02/01/00	Finnish for Finland

MIMOSA Supported Languages	Default Date Format* (VIPS1005)	Default Date Format* (VIPS1009)	Comment
fr_FR	For all date formats the year displayed in two digits	02/01/00	French for France
fr_BE		02.01.2000	French for Belgium
fr_CA		02.01.2000	French for Canada
fr_CH		02.01.2000	French for Switzerland
fr_LU		02/01/00	French for Luxemburg
it_IT		02/01/00	Italian for Italy
it_CH		02/01/00	Italian for Switzerland
nl_NL		02/01/00	Dutch for Netherland
nl_BE		02-01-2000	Dutch for Belgium
no_NO		02/01/00	Norwegian for Norway
pt_PT		02/01/00	Portuguese for Portugal
sv_SE		02/01/00	Swedish for Sweden
sv_FI		02/01/00	Swedish for Finland

Table 1
Depicts how the 2nd of January 2000 will be displayed in the MIMOSA Userinterface.

3 Workaround for VIPS1005

For VIPS1005 six different ways of displaying the year in 4 digits are possible. However before you can set the date accordingly you have to copy certain files to your Processing Station (see table 2). The files are available thru your GSC, RSC, DigiMail or DigiNet. In the United States the files can also be retrieved from the AGFA fsdserver (access is known to authorized people) or from a Lotus Notes database.

File Name	Date format*
da.so.1	2000-01-02
el.so.1	02/01/2000
lt.so.1	2000.01.02
nl.so.1	02-01-2000
no.so.1	02.01.2000
tr.so.1	01.02.2000

Table 2
Depicts how the 2nd of January 2000 will be displayed in the MIMOSA Userinterface.

3.1 Procedure

1. Open a terminal window on the Processing Station
2. Select the date format you wish to have from table 2.
3. Transfer (by ftp or Z-modem) or copy the file shown in table 2 into the `/tmp` directory of the Processing Station which gives the correct date.
4. Enter: **`ciloc`**
5. Enter: **`grep LOCALE adc.cpf`**
6. You will get an answer like: `@0001 { "LOCALE" 'C "en_US" "Language and date format def"}`
7. This line gives you the information which language and date format you have configured in the cpf-file. If you didn't configure any language you will get "**`BASIC`**" as default language and date format setting. Note down the Locale code (e.g. en_US, BASIC, etc) on a piece of paper. Please mind upper and lower case letters.

8. Switch to superuser by entering: **su** (a password is required)
9. Copy the corresponding file: **cp /tmp/<*filename*> /usr/lib/locale/<*language_code*>/<*language_code*>.so.1**
10. Set the correct permissions by entering: **chmod 555 /usr/lib/locale/<*language_code*>/<*language_code*>.so.1**
11. Set the correct owner by entering: **chown bin /usr/lib/locale/<*language_code*>/<*language_code*>.so.1**
12. Set the correct group by entering: **chgrp bin /usr/lib/locale/<*language_code*>/<*language_code*>.so.1**

Please substitude <*filename*> by a filename mentioned in table 2. Please substitute <*language code*> by the Locale code you got under steps 5/6. See also example 1 and example 2 below for further assistance.

Example 1

Assumed you have got back for the language code "**en_US**" and you want to have the date format "MM.DD.YYYY".

Enter: **cp /tmp/tr.so.1 /usr/lib/locale/en_US/en_US.so.1**
Enter: **chmod 555 /usr/lib/locale/en_US/en_US.so.1**
Enter: **chown bin /usr/lib/locale/en_US/en_US.so.1**
Enter: **chgrp bin /usr/lib/locale/en_US/en_US.so.1**

Example 2

Assumed have got back for the language code "**BASIC**" and you want to have the date format "DD.MM.YYYY".

Enter: **cp /tmp/no.so.1 /usr/lib/locale/BASIC/BASIC.so.1**
Enter: **chmod 555 /usr/lib/locale/BASIC/BASIC.so.1**
Enter: **chown bin /usr/lib/locale/BASIC/BASIC.so.1**
Enter: **chgrp bin /usr/lib/locale/BASIC/BASIC.so.1**

13. Reboot the Processing Station
14. The effect decribed above is gone now

4 Workaround for VIPS1009

For VIPS1009 six different ways of displaying the year in 4 digits are possible (see table 3).

File Name	Date format*
/usr/lib/locale/da/da.so.1	2000-01-02
/usr/lib/locale/el/el.so.1	02/01/2000
/usr/lib/locale/lt/lt.so.1	2000.01.02
/usr/lib/locale/nl/nl.so.1	02-01-2000
/usr/lib/locale/no/no.so.1	02.01.2000
/usr/lib/locale/tr/tr.so.1	01.02.2000

Table 3

* Depicts how the 2nd of January 2000 will be displayed in the MIMOSA Userinterface.

4.1 Procedure

1. Open a terminal window on the Processing Station
2. Enter: **ciloc**
3. Enter: **grep LOCALE adc.cpf**
4. You will get an answer like: `@0001 { "LOCALE" 'C "en_US" "Language and date format def"}`

5. This line gives you the information which language and date format you have configured in the cpf-file. If you didn't configure any language you will get "**BASIC**" as default language and date format setting. Note down the Locale code (e.g. en_US, BASIC, etc) on a piece of paper. Please mind upper and lower case letters.
6. Select the date format you wish to have from table 3.
7. Switch to superuser by entering: **su** (a password is required)
8. Copy the corresponding file: **cp <*filename*> /usr/lib/locale/<*language_code*>/<*language_code*>.so.1**
9. Set the correct permissions by entering: **chmod 555 /usr/lib/locale/<*language_code*>/<*language_code*>.so.1**
10. Set the correct owner by entering: **chown bin /usr/lib/locale/<*language_code*>/<*language_code*>.so.1**
11. Set the correct group by enteringt: **chgrp bin /usr/lib/locale/<*language_code*>/<*language_code*>.so.1**
    Please substitude <*filename*> by a filename mentioned in table 3. Please substitute <*language code*> by the Locale code you got under steps 3/4. See also example 3 and example 4 below for further assistance.

Example 3

Assumed you have got back for the language code "**en_US**" and you want to have the date format "MM.DD.YYYY".

Enter **cp /usr/lib/locale/tr/tr.so.1 /usr/lib/locale/en_US/en_US.so.1**
Enter: **chmod 555 /usr/lib/locale/en_US/en_US.so.1**
Enter: **chown bin /usr/lib/locale/en_US/en_US.so.1**
Enter: **chgrp bin /usr/lib/locale/en_US/en_US.so.1**

Example 4

Assumed you have got back for the language code "**BASIC**" and you want to have the date format "DD.MM.YYYY".

Enter **cp /usr/lib/locale/no/no.so.1 /usr/lib/locale/BASIC/BASIC.so.1**
Enter: **chmod 555 /usr/lib/locale/BASIC/BASIC.so.1**
Enter: **chown bin /usr/lib/locale/BASIC/BASIC.so.1**
Enter: **chgrp bin /usr/lib/locale/BASIC/BASIC.so.1**

12. Reboot the Processing Station
13. The effect decribed above is gone now